

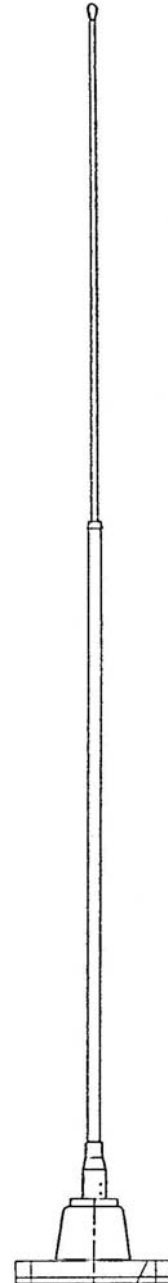
## 3.2 Metre Shipboard Centre-Fed (Dipole) Whip Antenna 30-108 MHz

Type 3040-900

Racal Antennas Limited has many years of experience in design, development and manufacture of shipboard/marine antennas for the military user. They have been developed after consultation with military users and radio manufacturers worldwide.

The 3040-900 VHF centre-fed fibreglass whip antenna has been developed for shipboard applications. This ground independent antenna, operating at up to 100W CW, can be mounted in a variety of positions without reducing the performance across the frequency band 30-108 MHz. Antenna type 3040-900 has been fully tested to meet the demands of equipment used in a Shipboard Military Environment.

<b>Electrical Specification</b>	
<b>Frequency Range</b>	30-108MHz
<b>Gain</b>	30MHz -5dB 55MHz -1.5dB 88MHz 0dB
<b>Polarisation</b>	Vertical
<b>Horizontal Radiation Pattern</b>	Omnidirectional
<b>Power Rating</b>	100W (CW)
<b>Impedance</b>	50 Ω
<b>VSWR</b>	<3.5:1 over 95% of the band
<b>Connector</b>	BNC female
<b>Mechanical Specification</b>	
<b>Design</b>	Centre-fed dipole. Radiating elements completely enclosed in epoxy / fibreglass laminate. Metal parts are brass and stainless steel.
<b>Length, assembled with base</b>	3.19m
<b>Length, top section</b>	1.45m
<b>Length, lower section</b>	1.80m
<b>Diameter, top section</b>	6.5 to 20mm
<b>Diameter, lower section</b>	22mm
<b>Weight, assembled with base</b>	3.45kg
<b>Weight, top section</b>	0.23 kg
<b>Weight, lower section</b>	1.32 kg
<b>Mounting Configuration</b>	UK/NATO 6 hole pattern or USA 4 hole pattern
<b>Environmental Specification</b>	
<b>Temperature</b>	Operational -50°C to +70°C Storage -55°C to +85°C
<b>Humidity</b>	Up to 95% RH up to 55°C
<b>Wind</b>	162kph



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Racal reserve the right to vary in detail from the description and specification in this publication.